

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Zenith Z10 Washroom Cleaner Concentrate (929301, 929302)

Revision 4
Revision date 2015-01-14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Zenith Z10 Washroom Cleaner Concentrate (929301, 929302)
Product code	YELLOW

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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1.3. Details of the supplier of the safety data sheet

Company	Zenith Hygiene Group plc
Address	A1M Business Centre Dixons Hill Road Welham Green Herts AL9 7JE United Kingdom
Web	www.zhgcplc.com
Telephone	01707 270260
Email	helpdesk@zhgcplc.com

1.4. Emergency telephone number


Emergency telephone number	028 9267 3331
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xi; R41 Symbols: Xi: Irritant.
Main hazards	Risk of serious damage to eyes.
2.1.2. Classification - EC 1272/2008	Eye Dam. 1: H318;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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2.2. Label elements

P310 - Immediately call a POISON CENTER or doctor/physician.

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Alcohols, C12-13- branched and linear, ethoxylated (*R01)		160901-19-9			1 - 10%	Xn; R22 Xi; R41
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		51981-21-6	257-573-7	01-2119493601-00-00	1 - 10%	Xi; R36/38
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)		8051-30-7	931-329-6	01-2119490100-53	1 - 10%	Xi; R38-41
Alcohols, C12-14, ethoxylated, sulphates, sodium salts		68891-38-3		01-2219488639-16	1 - 10%	Xi; R36/38

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Alcohols, C12-13- branched and linear, ethoxylated (*R01)		160901-19-9			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		51981-21-6	257-573-7	01-2119493601-00-00	1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)		8051-30-7	931-329-6	01-2119490100-53	1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;
Alcohols, C12-14, ethoxylated, sulphates, sodium salts		68891-38-3		01-2219488639-16	1 - 10%	Eye Irrit. 2: H319;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes serious eye damage.
Skin contact	Irritating to skin.
Ingestion	Irritant.

4.3. Indication of any immediate medical attention and special treatment needed

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

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5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Wash hands after handling the product.

8.2.2. Individual protection measures

Ensure adequate ventilation of the working area.

Eye / face protection

Safety glasses.

Skin protection - Handprotection

Chemical resistant gloves (PVC).

Respiratory protection

Not normally required. Do not breathe gas/fumes/vapour/spray.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Red
Odour	Characteristic
pH	7
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	1.034 g/cm ³

SECTION 10: Stability and reactivity

10.1. Reactivity

	No reactivity hazards known under normal storage and use conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No Significant Hazard.
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10.4. Conditions to avoid

	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Causes serious eye damage.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

11.1.4. Toxicological Information

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11.1.4. Toxicological Information

Alcohols, C12-13- branched and linear, ethoxylated (*R01)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: 300 - 2,000 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: 2,000 mg/kg	Dermal Guinea Pig LD50: NDA
Alcohols, C12-14, ethoxylated, sulphates, sodium salts	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: >2000 mg/kg
	Oral Rat LD50: 4100 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: >2000mg/kg
	Oral Rat LD50: 5000mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1. Toxicity

Alcohols, C12-13- branched and linear, ethoxylated (*R01)	Daphnia EC50/48h: 10.0000 mg/l	Algae IC50/72h: 10.0000 mg/l
	Fish LC50/96h: 10.0000 mg/l	
Alcohols, C12-14, ethoxylated, sulphates, sodium salts	Daphnia EC50/48h: 7.2000 mg/l	Fish LC50/96h: 7.1000 mg/l
	Green algae EC50/96h: 7.5	
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)	Fish LC50/96h: 10.0000 mg/l	Green algae EC50/96h: 10
	Daphnia LC50/48h: 10	

12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.
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12.6. Other adverse effects

	No other adverse effects known.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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Disposal of packaging

	Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water.
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Further information

	European Waste Catalogue: 20 01 29.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

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IMDG	
	The product is not classified as dangerous for carriage.

IATA	
	The product is not classified as dangerous for carriage.

Further information	
	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
	Ingredients according to EC Detergent regulations shown in section 16 if applicable.

15.2. Chemical safety assessment	
	A chemical safety assessment has not been carried out on the mixture.

SECTION 16: Other information

Other information	
Revision	<p>LC: Lethal concentration. LD: Lethal dose. NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available.</p>
	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> 1 - Product Use. 2 - 2.1. Classification of the substance or mixture. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 9 - 9.1. Information on basic physical and chemical properties (State). 9 - 9.1. Information on basic physical and chemical properties (Colour). 9 - 9.1. Information on basic physical and chemical properties (Odour). 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.1. Information on basic physical and chemical properties (Boiling point). 9 - 9.1. Information on basic physical and chemical properties (Melting point). 9 - 9.1. Information on basic physical and chemical properties (Flash point). 9 - 9.1. Information on basic physical and chemical properties (Flammability limits). 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature). 9 - 9.1. Information on basic physical and chemical properties (Explosive). 9 - 9.1. Information on basic physical and chemical properties (Oxidising). 9 - 9.1. Information on basic physical and chemical properties (Viscosity). 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate). 9 - 9.1. Information on basic physical and chemical properties (Freezing Point). 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility). 9 - 9.1. Information on basic physical and chemical properties (Solubility). 9 - 9.2. Other information (Conductivity). 9 - 9.2. Other information (Partition coefficient). 9 - 9.2. Other information (Surface tension). 9 - 9.2. Other information (Specific gravity). 10 - 10.3. Possibility of hazardous reactions.

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Other information

Text of risk phrases in
Section 3

R22 - Harmful if swallowed.
R36/38 - Irritating to eyes and skin.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.

Text of Hazard Statements in
Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Labelling for contents

non-ionic surfactants 5% - < 15%
anionic surfactants 0% - < 5%
soap 0% - < 5%
Perfumes 0% - < 5%
preservation agents 0% - < 5%

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.